ICF-SW11

SERVICE MANUAL

Ver 1.0 1999, 09



US Model Canadian Model AEP Model E Model Chinese Model Tourist Model

SPECIFICATIONS

Frequency range:

FM: 87.5 – 108 MHz (Other models)

76 – 108 MHz (Tourist model)

 $SW1: \quad 4.750-5.060 \; MHz \; (Other \; models)$

3.850 - 4.050 MHz (Tourist model)

SW2: 5.900 -6.200 MHz

SW3: 7.100 – 7.350 MHz

SW4: 9.400 – 9.990 MHz

SW5: 11.600 - 12.100 MHz

SW6: 13.570 – 13.870 MHz

SW7: 15.100 – 15.800 MHz SW8: 17.480 – 17.900 MHz

SW9: 21.450 – 21.750 MHz

 $MW: \quad 525-1620 \; MHz$

LW: 141 - 290 kHz

Speaker Approx. 5.7 cm (2 $^{1}/_{4}$ inches) dia., 4 Ω

Power output 140 mW (at 10 % harmonic distortion)

Ourput Headphones jack (stereo minijack, 3.5 mm dia)

Power requirements

3 V DC, two R6 (size AA) batteries

DC IN 3V jack accepts : AC power adaptor

(Except chinese model)

AC-E30L, HG (not supplied)

Battery life Approx. 30 hours with Sony SUM-3 (NS)

Dimensions Approx. $162 \times 93.8 \times 34.8 \text{ mm}(\text{w/h/d})$

 $(6^{1/2} \times 3^{3/4} \times 1^{3/8} \text{ inches})$

Mass Approx. 340 g (12 oz) incl. batteries

Supplied accessory

Short wave guide (1)

Accessories not supplied

AC power adaptor

*AC-E3L, HG

LW/MW/SW wide range antenna AN-1, AN-102

*The voltage of power supply is different depending on the country . Please buy an AC power adaptor in the country where the radio is to be used.

Design and specifications are subject to change without notice.

FM STEREO/SW1-9/MW/LW 12 BAND RECEIVER

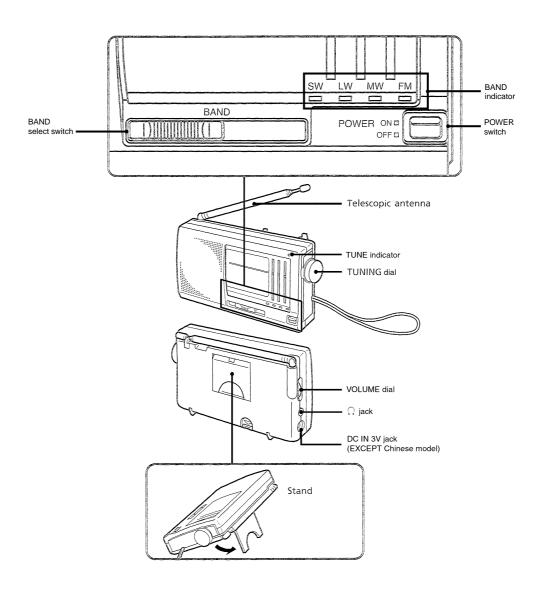




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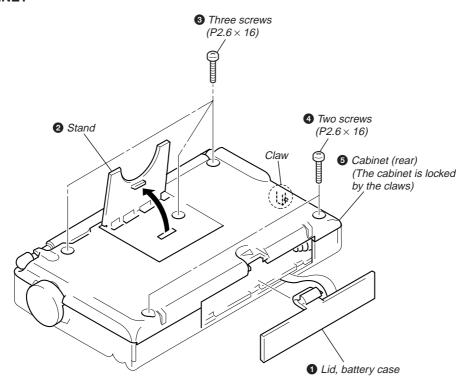
SECTION 1 GENERAL



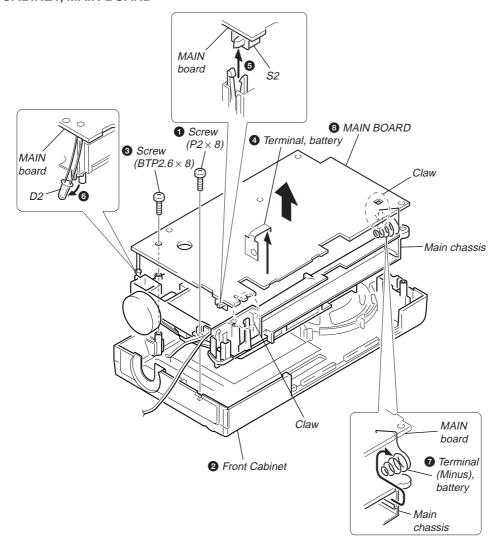
SECTION 2 DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

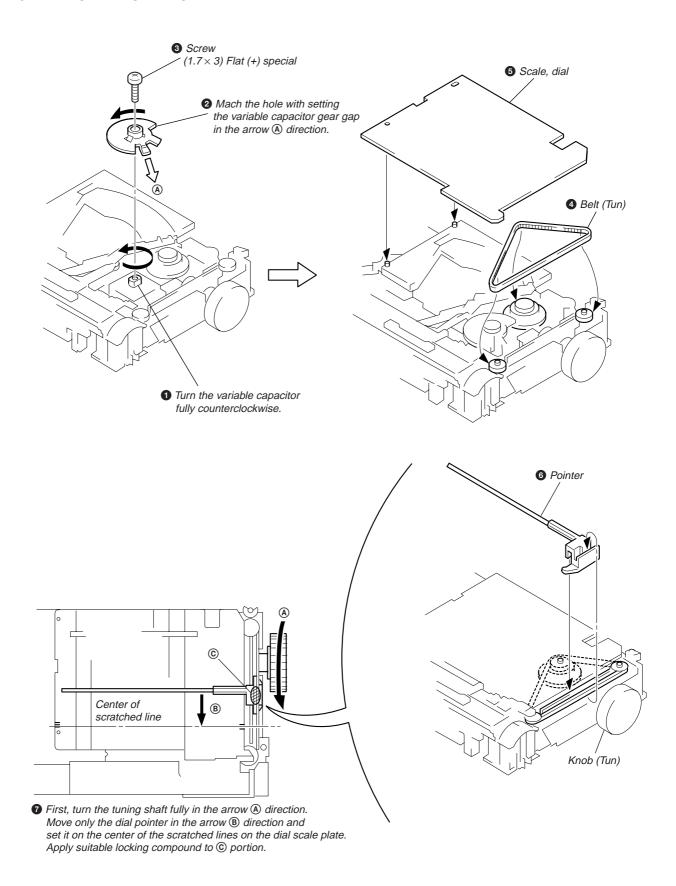
2-1. REAR CABINET



2-2. FRONT CABINET, MAIN BOARD



2-3. DIAL POINTER SETTING

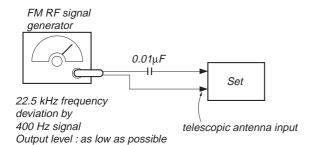


SECTION 3 ELECTRICAL ADJUSTMENTS

FM section
Setting

0 dB=1µV

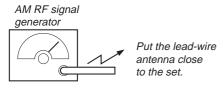
BAND switch: FM



MW/LW section

Setting

BAND switch: MW/LW



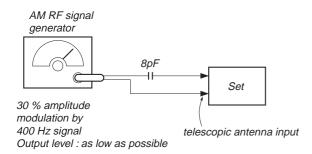
30% amplitude modulation by 400 Hz signal

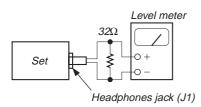
Output level : as low as possible

SW section

Setting

BAND switch: SW1 - SW9





 Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors. This adjustment should be executed after MW band adjustment is completed because the LW and SW bands use the BAR ANT and CV1 in common with the MW band.

Therefore, if MW band is adjusted, the LW and SW bands must also be readjusted.

| FM FREQUENCY COVERAGE ADJUSTMENT | | | | | | | |
|--|----------|--|--|--|--|--|--|
| Adjust for a maximum reading on Level meter. | | | | | | | |
| L7 | L7 CT1-4 | | | | | | |
| 87.3MHz (75MHz) 108.3MHz (109.5MHz) | | | | | | | |

| FM TRACKING ADJUSTMENT | | | | | | |
|--|--|--|--|--|--|--|
| Adjust for a maximum reading on Level meter. | | | | | | |
| L6 CT1-3 | | | | | | |
| 87.3MHz (75MHz) 108.3MHz (109.5MHz) | | | | | | |

| MW FREQUENCY COVERAGE ADJUSTMENT | | | | | | |
|--|--|--|--|--|--|--|
| Adjust for a maximum reading on Level meter. | | | | | | |
| L4 CT1-2 | | | | | | |
| 520kHz 1,650kHz | | | | | | |

| MW TRACKING ADJUSTMENT | | | | | |
|--|--|--|--|--|--|
| Adjust for a maximum reading on Level meter. | | | | | |
| L1 CT1-1 | | | | | |
| 600kHz 1,400kHz | | | | | |

| AM IF ADJUSTMENT |
|--|
| Adjust for a maximum reading on Level meter. |
| T1 |
| 455kHz |

| LW FREQUENCY COVERAGE ADJUSTMENT | | | | | |
|--|--|--|--|--|--|
| Adjust for a maximum reading on Level meter. | | | | | |
| L5 CT3 | | | | | |
| 137kHz 295kHz | | | | | |

| LW TRACKING ADJUSTMENT | | | | | |
|--|--|--|--|--|--|
| Adjust for a maximum reading on Level meter. | | | | | |
| L2 CT2 | | | | | |
| 155kHz 260kHz | | | | | |

• Preparation for SW band adjustment
After making sure that the MW band adjustment has completed, set the pointer to the center of character of 6.0, 7.2, 11.8 or 21.6MHz which is reference position of dial character, and fix the CV1 at this position.

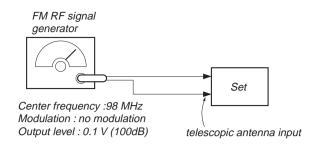
(): Tourist model

SECTION 4 DIAGRAMS

| SW FREQUENCY CENTER ADJUSTMENT | | | | | | | | |
|--|---------------------------|----------|--|--|--|--|--|--|
| Adjust for a maximum reading on Level meter. | | | | | | | | |
| SW1 | SW1 L25 4.85MHz (3.88MHz) | | | | | | | |
| SW2 | L24 | 6MHz | | | | | | |
| SW3 | L23 | 7.2MHz | | | | | | |
| SW4 | L22 | 9.62MHz | | | | | | |
| SW5 | L21 | 11.8MHz | | | | | | |
| SW6 | L20 | 13.65MHz | | | | | | |
| SW7 | L19 | 15.35MHz | | | | | | |
| SW8 | L18 | 17.65MHz | | | | | | |
| SW9 | L17 | 21.6MHz | | | | | | |
| | | | | | | | | |

- 1. After completion of SW1-9 adjustment, confirm that each center frequency +910kHz signal is received from AM reference signal generator.
- 2. If not received, readjust, then repeat 1.
- (): Tourist model

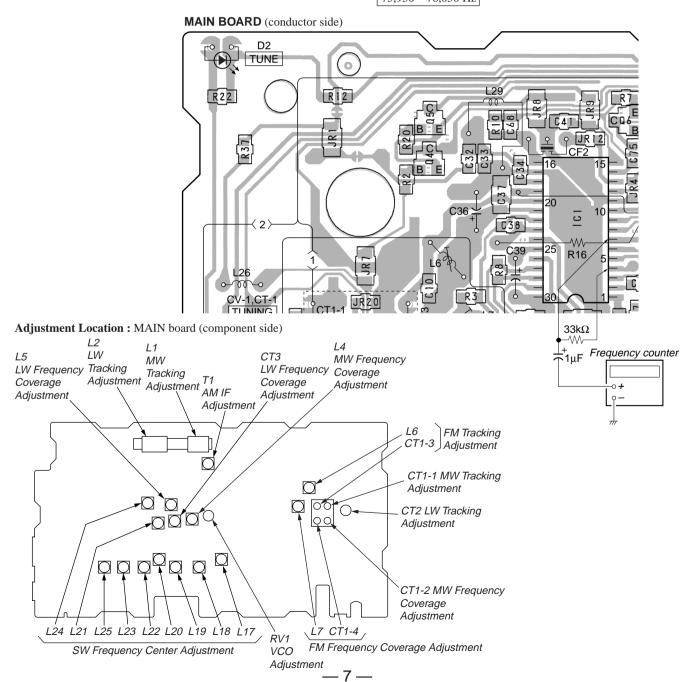
[VCO Adjustment] Procedure:



- 1. Insert the plug to Headphones jack (J1).
- 2. Connect frequency counter to the positions shown the figure right.
- 3. Tune the set to 98 MHz.
- 4. Adjust RV1 so that the frequency counter reading becomes 76,000 Hz.

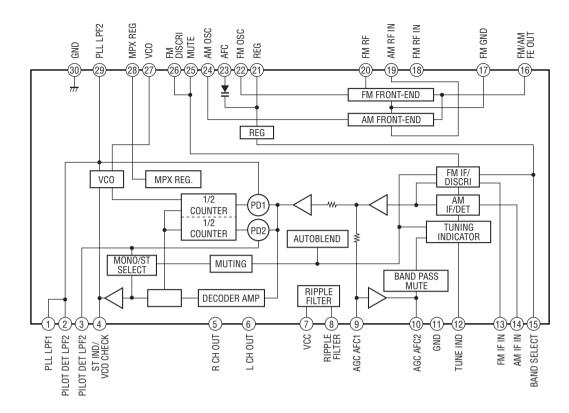
Specification Value:

Frequency counter 75,950 – 76,050 Hz

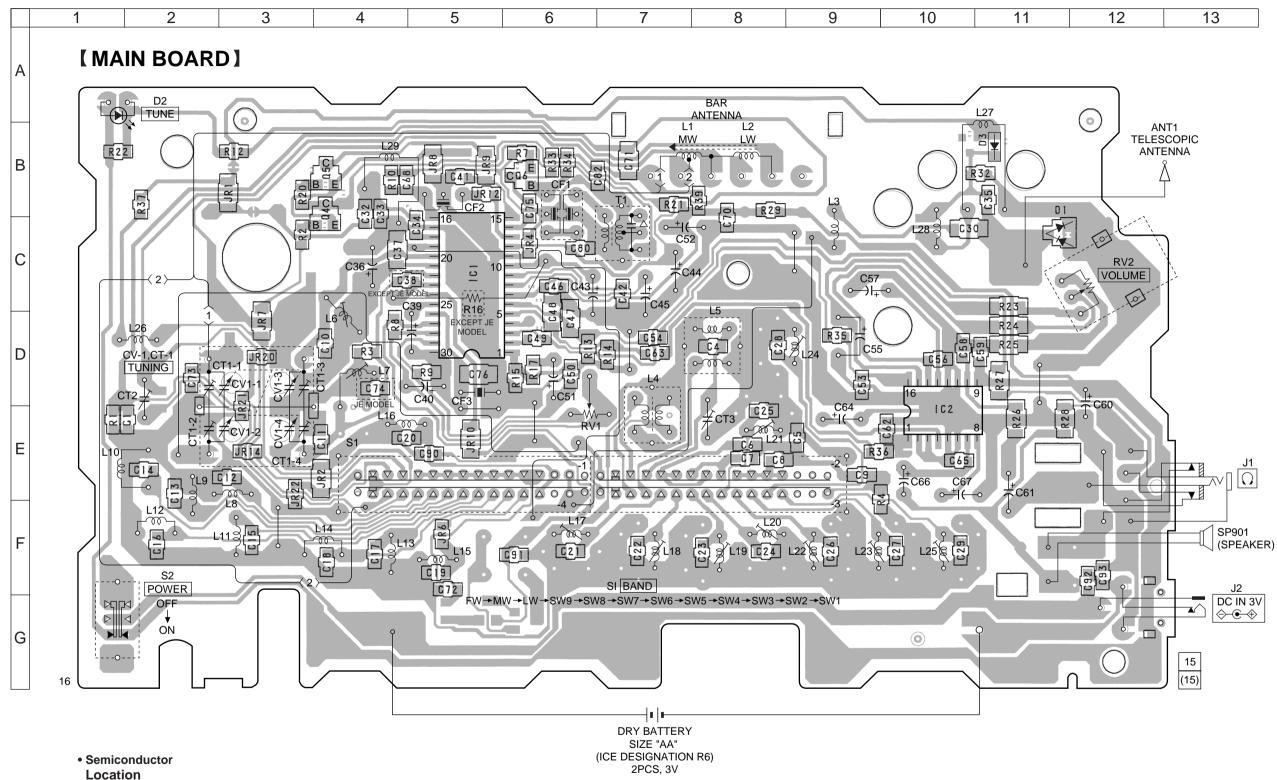


4-1. IC BLOCK DIAGRAM

IC1 CXA1238M-T6



4-2. PRINTED WIRING BOARD

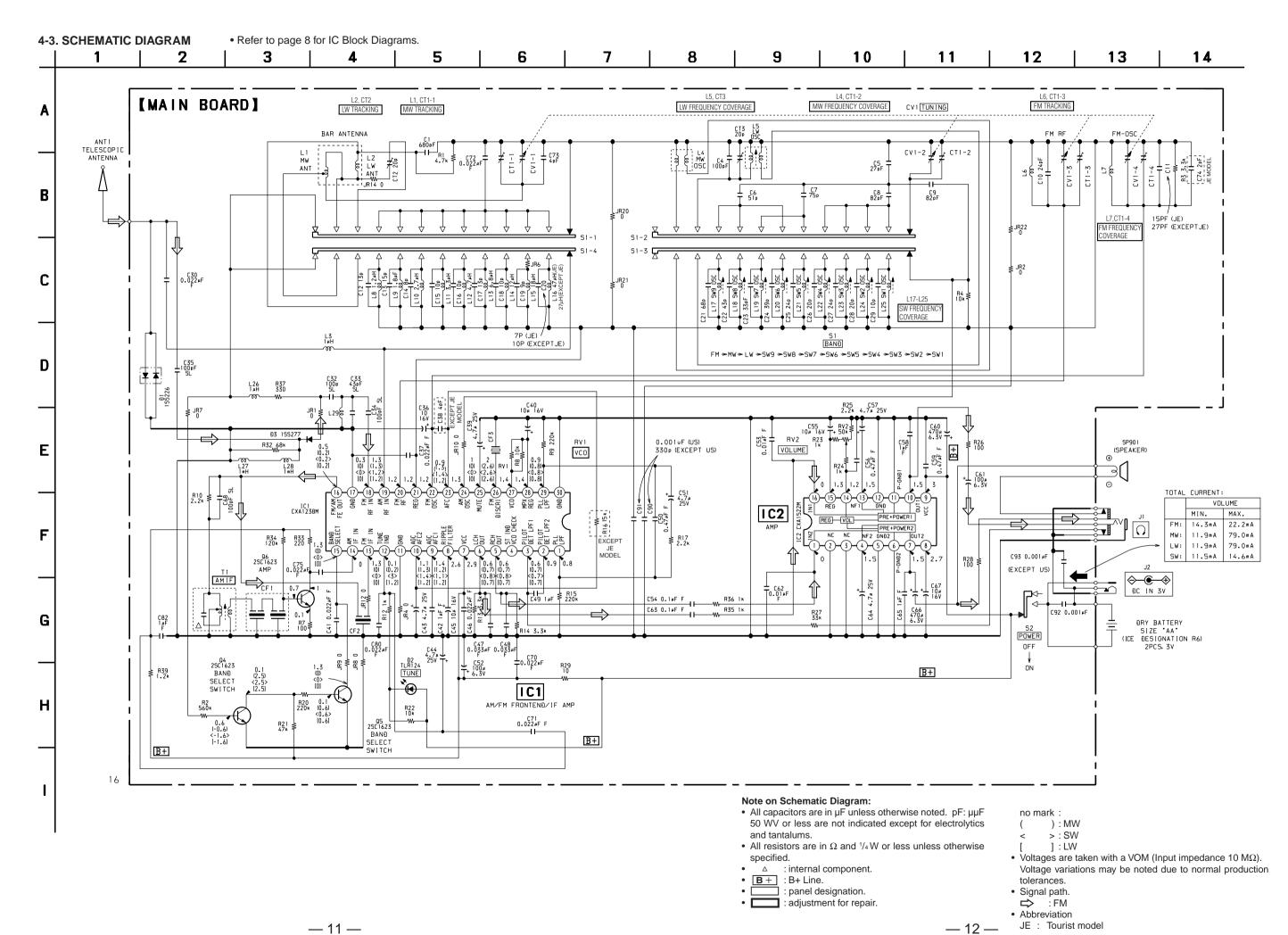


| Locatio | *** | | | |
|----------------|-------------------|--|--|--|
| Ref. No. | Location | | | |
| D1 | C-11 | | | |
| D2 | A-1 | | | |
| D3 | B-11 | | | |
| IC1 IC2 | C-5 D-10 | | | |
| Q4 Q5 Q6 | B-4 B-4 B-6 | | | |

Note on Printed Wiring Board:

- : parts extracted from the component side.
- : Pattern from the side which enables seeing.
- Abbreviation

JE: Tourist model



SECTION 5 EXPLODED VIEWS

NOTE:

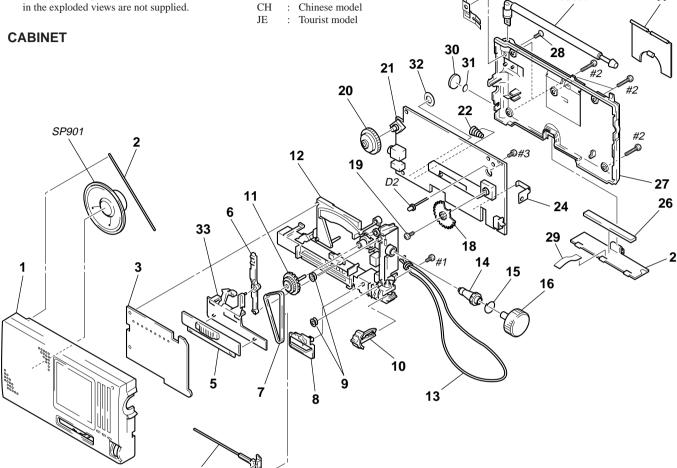
- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these
- The mechanical parts with no reference number in the exploded views are not supplied.

• Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.

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ANT1

Abbreviation CND: Canadian model : Italian model : Saudi Arabia model EA



| Ref. No. | Part No. | Description | <u>Remarks</u> | Ref. No. | Part No. | <u>Description</u> | <u>Remarks</u> |
|----------------------------|--|---|----------------|----------------------------------|--|---|----------------|
| 1 1 1 1 | X-3377-979-1 X-3377-980-1 X-3377-981-1 X-3377-982-1 X-3378-083-1 | CABINET (FRONT) ASSY (CH) CABINET (FRONT) ASSY (AEP,IT,E,EA) | | 20 * 21 * 21 * 21 22 | A-3679-765-A A-3683-132-A | KNOB(VOL) MAIN BOARD, COMPLETE(CND,AI MAIN BOARD, COMPLETE (JE) MAIN BOARD, COMPLETE (US) TERMINAL (MINUS), BATTERY | EP,IT,E,CH,EA) |
| * 2 3 3 4 5 | 3-911-534-01 3-039-997-01 3-039-997-11 3-039-998-01 3-039-999-01 | SPRING, PLUG SCALE, DIAL (US,CND,AEP,IT,E,CH,EA SCALE, DIAL (JE) POINTER KNOB(BAND) | N) | 23 24 25 26 27 | 3-893-840-01 3-382-006-01 3-380-922-11 3-312-059-11 3-910-547-21 | , | E,JE,EA) |
| 6 7 8 9 10 | 3-910-552-01 3-382-324-01 3-910-553-01 3-900-157-01 3-040-002-01 | INDICATOR (A) BELT(TUN) INDICATOR (B) PULLEY KNOB(POWER) | | 27 28 29 30 31 | 3-910-547-31 3-918-696-01 3-040-003-01 3-040-964-01 3-040-965-01 | - / / - / | H) |
| 11 12 13 14 15 | 3-380-910-01 3-910-548-01 3-893-381-01 3-380-908-01 3-386-845-01 | GEAR, MIDWAY CHASSIS STRAP, HAND SHAFT (TUN) SPRING, RING | | 32 33 D2 ANT1 SP901 | 3-563-515-01 3-040-000-01 8-719-812-41 1-501-222-81 1-544-517-11 | WASHER(A), FIBER BASE(BAND) DIODE GL3PR8 (TUNE) ANTENNA, TELESCOPIC (FM) SPEAKER | |
| 16 17 18 19 | 3-380-909-01 3-380-918-31 3-380-914-01 3-880-990-00 | KNOB(TUN) STAND GEAR(A), TUNING CAPACITOR SCREW (1.7 \times 3),FLAT,(+) SPECIAL | | #1 #2 #3 | | TPG +P 2 \times 8, TYPE 2, NON-SLIT SCREW +P 2.6 \times 16 TYPE2 NON-S SCREW +BTP 2.6 \times 8 TYPE2 N- | |

MAIN

SECTION 6 ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- · CAPACITORS:
- uF: μF
- RESISTORS All resistors are in ohms. METAL: metal-film resistor METAL OXIDE: Metal Oxide-film resistor F: nonflammable
- COILS uH: μH

When indicating parts by reference number, please include the board name.

- SEMICONDUCTORS In each case, u: μ, for example: uA...: μA... , uPA... , μPA... ,
- uPB..., μPB..., uPC..., μPC..., uPD..., μPD...
- Abbreviation CND: Canadian model : Italian model IT : Saudi Arabia model CH : Chinese model

: Tourist model

| Ref. No. | Part No. | <u>Description</u> | | | <u>Remarks</u> | Ref. No. | Part No. | <u>Description</u> | | | Remarks |
|------------|------------------------------|--------------------|-------------|-----------------|-------------------|------------|---------------|--------------------|------------------|-----------|------------------|
| * | A-3679-565-A | MAIN BOARD, CO | MPLETE | | | C37 | 1-163-063-00 | CERAMIC CHIP | 0.022uF | | 50V |
| | | | | ND.AEP.IT | Γ.E.CH.EA) | C38 | | CERAMIC CHIP | 4PF | | 50V |
| ******** | | | | | | | | (US,CI | ND,AEP,IT | E,CH,EA) | |
| * | A-3679-765-A | MAIN BOARD, CO | MPLETE (JI | E) | | C39 | 1-126-794-11 | ELECT | 4.7uF | 20% | 25V |
| | | ***** | ***** | | | C40 | 1-104-396-11 | ELECT | 10uF | 20% | 16V |
| * | A-3683-132-A | MAIN BOARD, CO | | S) | | C41 | 1-163-033-91 | CERAMIC CHIP | 0.022uF | | 50V |
| | | ***** | ***** | | | | | | | | |
| | | | | | | C42 | 1-164-346-11 | CERAMIC CHIP | 1uF | | 16V |
| | 3-831-441-99 | CUSHION, STOPF | PER | | | C43 | 1-126-794-11 | ELECT | 4.7uF | 20% | 25V |
| | | OADAOITOD | | | | C44 | 1-126-794-11 | | 4.7uF | 20% | 25V |
| | | < CAPACITOR > | | | | C45 | 1-104-396-11 | | 10uF | 20% | 16V |
| C1 | 1-163-137-00 | CERAMIC CHIP | 680PF | 5% | 50V | C46 | 1-163-033-91 | CERAMIC CHIP | 0.022uF | | 50V |
| C4 | 1-163-377-11 | CERAMIC CHIP | 100PF | 5 % 5% | 50V 50V | C47 | 1-163-074-00 | CERAMIC CHIP | 0.033uF | | 50V |
| C5 | | CERAMIC CHIP | 27PF | 5% | 50V 50V | C48 | 1-163-074-00 | | 0.033uF | | 50V |
| C6 | | CERAMIC CHIP | 51PF | 5% 5% | 50V | C49 | 1-163-074-00 | | 1uF | | 16V |
| C7 | | CERAMIC CHIP | 75PF | 5% | 50V | C50 | 1-164-005-11 | | 0.47uF | | 25V |
| 01 | 1 100 240 11 | OLITAWIO OTIII | 7011 | 3 /0 | 30 V | C51 | 1-126-794-11 | | 4.7uF | 20% | 25V |
| C8 | 1-163-249-11 | CERAMIC CHIP | 82PF | 5% | 50V | 001 | 1 120 701 11 | LLLOT | 1.7 01 | 2070 | 201 |
| C9 | 1-163-115-00 | CERAMIC CHIP | 82PF | 5% | 50V | C52 | 1-126-382-11 | ELECT | 100uF | 20% | 6.3V |
| C10 | | CERAMIC CHIP | 24PF | 5% | 50V | C53 | | CERAMIC CHIP | 0.01uF | | 50V |
| C11 | 1-163-097-00 | CERAMIC CHIP | 15PF | 5% | 50V (JE) | C54 | | CERAMIC CHIP | 0.1uF | | 25V |
| C11 | 1-163-103-00 | CERAMIC CHIP | 27PF | 5% | 50V ` ´ | C55 | 1-104-396-11 | ELECT | 10uF | 20% | 16V |
| | | | (US,CI | ND,AEP,I | Γ,E,CH,EA) | C56 | 1-164-005-11 | CERAMIC CHIP | 0.47uF | | 25V |
| | | | | | | | | | | | |
| C12 | 1-163-096-00 | CERAMIC CHIP | 13PF | 5% | 50V | C57 | 1-126-794-11 | ELECT | 4.7uF | 20% | 25V |
| C13 | 1-163-231-11 | CERAMIC CHIP | 15PF | 5% | 50V | C58 | | CERAMIC CHIP | 1uF | | 16V |
| C14 | | CERAMIC CHIP | 8PF | | 50V | C59 | | CERAMIC CHIP | 0.47uF | | 25V |
| C15 | 1-163-227-11 | CERAMIC CHIP | 10PF | 0.5PF | 50V | C60 | 1-126-935-11 | | 470uF | 20% | 6.3V |
| C16 | 1-163-227-11 | CERAMIC CHIP | 10PF | 0.5PF | 50V | C61 | 1-126-382-11 | ELECT | 100uF | 20% | 6.3V |
| 0.47 | 4 400 000 00 | 0504440 01110 | 4005 | 5 0/ | 501/ | 000 | 4 400 004 44 | 0554440 01115 | 0.04 5 | | 501/ |
| C17 | 1-163-096-00 | CERAMIC CHIP | 13PF | 5% | 50V | C62 | 1-163-031-11 | | 0.01uF | | 50V |
| C18 | 1-163-227-11 | CERAMIC CHIP | 10PF | 0.5PF | 50V | C63 | | CERAMIC CHIP | 0.1uF | 000/ | 25V |
| C19 | | CERAMIC CHIP | 9PF 7PF | 0.25PF | | C64 | 1-126-794-11 | | 4.7uF | 20% | 25V |
| C20 C20 | 1-163-224-11 1-163-227-11 | CERAMIC CHIP | 7PF 10PF | 0.25PF 0.5PF | 50V (JE) 50V | C65 C66 | 1-164-346-11 | CERAMIC CHIP | 1uF 470uF | 20% | 16V 6.3V |
| 620 | 1-103-227-11 | CENAIVIIC CHIP | | | 50V Г,Е,СН,ЕА) | 600 | 1-126-935-11 | ELECT | 470ur | 2070 | 0.31 |
| | | | (00,01 | IND,ALI,II | i,L,UII,LA) | C67 | 1-104-396-11 | ELECT | 10uF | 20% | 16V |
| C21 | 1-163-113-00 | CERAMIC CHIP | 68PF | 5% | 50V | C68 | | CERAMIC CHIP | 100PF | 5% | 50V |
| C22 | | CERAMIC CHIP | 43PF | 5% | 50V | C70 | 1-163-033-91 | | 0.022uF | 0 70 | 50V |
| C23 | | CERAMIC CHIP | 33PF | 5% | 50V | C71 | 1-163-063-00 | CERAMIC CHIP | 0.022uF | | 50V |
| C24 | | CERAMIC CHIP | 39PF | 5% | 50V | C72 | | CERAMIC CHIP | 0.022uF | | 50V |
| C25 | 1-163-102-00 | CERAMIC CHIP | 24PF | 5% | 50V | | | | | | |
| | | | | | | C73 | 1-163-087-00 | CERAMIC CHIP | 4PF | | 50V |
| C26 | 1-163-100-00 | CERAMIC CHIP | 20PF | 5% | 50V | C74 | 1-163-085-00 | CERAMIC CHIP | 2PF | | 50V (JE) |
| C27 | 1-163-102-00 | CERAMIC CHIP | 24PF | 5% | 50V | C75 | 1-163-033-91 | CERAMIC CHIP | 0.022uF | | 50V |
| C28 | 1-163-100-00 | CERAMIC CHIP | 20PF | 5% | 50V | C80 | 1-163-033-91 | CERAMIC CHIP | 0.022uF | | 50V |
| C29 | | CERAMIC CHIP | 10PF | 5% | 50V | C82 | 1-164-346-11 | CERAMIC CHIP | 1uF | | 16V |
| C30 | 1-163-063-00 | CERAMIC CHIP | 0.022uF | | 50V | | | | | | |
| | | | | | | C90 | | CERAMIC CHIP | 0.001uF | 10% | 50V(US) |
| C32 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V | C90 | 1-163-129-00 | CERAMIC CHIP | 330PF | 5% | 50V |
| C33 | | CERAMIC CHIP | 43PF | 5% | 50V | 004 | 4 400 000 4 : | OED ANALO OLUE | | | JE,CH,EA) |
| C34 | | CERAMIC CHIP | 100PF | 5% | 50V | C91 | | CERAMIC CHIP | 0.001uF | 10% | 50V(US) |
| C35 | | CERAMIC CHIP | 100PF | 5% | 50V | C91 | 1-163-129-00 | CERAMIC CHIP | 330PF | 5% | 50V |
| C36 | 1-104-396-11 | ELEUI | 10uF | 20% | 16V | C92 | 1_162_000 11 | CERAMIC CHIP | (CND, 0.001uF | AEP,11,E, | JE,CH,EA) 50V |
| | | | | | | 032 | 1-100-008-11 | OLIVAIVIIO OHIP | 0.00 TUF | 10 /0 | JUV |
| | | | | | | C93 | 1-163-009-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| | | | | | | 1 000 | . 100 000 11 | CETT WITH OTHER | 0.00 Tul | 10 /0 | 301 |
| | | | | | | | | | | | |

MAIN

| Ref. No. | Part No. | Description | Remarks | Ref. No. | Part No. | Description | | | Remarks |
|-------------------|------------------------------|--|----------------|------------|------------------------------|-------------|--------------------------------|-----------|----------------|
| <u>1101. 110.</u> | rarrivo. | < FILTER > | <u>Hemarks</u> | L14 | 1-408-410-00 | INDUCTOR | | | Homarks |
| CF1 | 1-577-317-11 | FILTER, CERAMIC | | L15 L16 | 1-408-412-00 1-408-608-31 | | 18uH 27uH (US,CND, <i>i</i> | AFP.IT.F. | CH.FA) |
| CF2 | | FILTER, CERAMIC | | L16 | 1-408-611-31 | | | ,,_ | , 0 , , |
| CF3 | 1-760-238-71 | FILTER, CERAMIC | | L17 | 1-409-895-11 | COIL (OSC) | | | |
| | | < TRIMMER > | | L18 | 1-409-515-11 | | | | |
| CT2 | 1-141-411-11 | CAP, ADJ 20PF | | L19 L20 | 1-409-514-11 1-409-513-11 | | | | |
| CT3 | | CAP, ADJ 20PF | | L21 | 1-409-512-11 | | | | |
| CT1 | | CAP, VAR (INCLUDING CV1) (JE) | | L22 | 1-409-511-11 | COIL (OSC) | | | |
| CT1 | 1-151-636-11 | CAP, VAR (INCLUDING CV1) (US,CND,AEP,IT,I | F CH FA) | L23 | 1-409-510-11 | COIL (OSC) | | | |
| | | (00,0112,7121,111,11 | 2,011,271, | L24 | 1-409-509-11 | COIL (OSC) | | | |
| | | < VARIABLE CAPACITOR > | | L25 | | | US,CND,AEP,IT,I | E,CH,EA |) |
| CV1 | 1-141-550-11 | CAP, VAR (JE) | | L25 L26 | 1-411-856-11 1-414-142-61 | | | | |
| CV1 | | CAP, VAR (US,CND,AEP,IT,E,CH,EA) | | | | | | | |
| | | < DIODE > | | L27 L28 | 1-414-167-11 1-414-167-11 | | | | |
| | | < DIODE > | | L28 L29 | 1-414-107-11 | | | | |
| D1 | | DIODE 1SS226 | | | | | _ | | |
| D2 D3 | | DIODE GL3PR8 (TUNE) DIODE 1SS277 | | | | < TRANSISTO | JR > | | |
| | | | | Q4 | | | 2SC1623-L5L | | |
| | | < IC > | | Q5 Q6 | | | R 2SC1623-L5L R 2SC1623-L5L | | |
| IC1 | 8-752-062-48 | IC CXA1238M-T6 | | QU | 0-723-120-20 | THANGIOTOI | 1 2001020-101 | .0 | |
| IC2 | 8-752-064-80 | IC CXA1522M | | | | < RESISTOR | > | | |
| | | < JACK > | | R1 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| | 4 500 004 44 | MANY (MEADDINANE) | | R2 | 1-216-115-00 | | | 5% | 1/10W |
| J1 J2 | | JACK (HEADPHONE) JACK, EXTERNAL POWER (DC IN 3V) | | R3 R4 | 1-216-061-00 1-216-073-00 | | 3.3K 10K | 5% 5% | 1/10W 1/10W |
| 02 | 170475511 | DAON, EXTERNAL FOWER (DO IN OV) | | R7 | 1-216-025-91 | | 100 | 5% | 1/10W |
| | | < JUMPER RESISTOR > | | DO | 4 040 070 00 | METAL OLUB | 401/ | E0/ | 4 (4 0) 14 |
| JR1 | 1-216-296-91 | SHORT 0 | | R8 R9 | 1-216-073-00 1-216-105-91 | | 10K 220K | 5% 5% | 1/10W 1/10W |
| JR2 | 1-216-296-91 | | | R10 | 1-216-057-00 | | | 5% | 1/10W |
| JR4 | 1-216-295-91 | | | R12 | 1-216-049-91 | , | 1K | 5% | 1/10W |
| JR6 JR7 | 1-216-295-91 1-216-296-91 | | | R13 | 1-216-061-00 | WETAL CHIP | 3.3K | 5% | 1/10W |
| | | | | R14 | 1-216-061-00 | | 3.3K | 5% | 1/10W |
| JR8 JR9 | 1-216-296-91 1-216-296-91 | | | R15 R16 | 1-216-105-91 1-247-883-00 | | 220K 150K | 5% 5% | 1/10W 1/4W |
| JR10 | 1-216-296-91 | | | 1110 | 1-247-000-00 | CANDON | | | IT,E,CH,EA) |
| JR12 | 1-216-295-91 | | | R17 | 1-216-057-00 | | 2.2K | 5% | 1/10W |
| JR14 | 1-216-295-91 | SHORI 0 | | R20 | 1-216-105-91 | RES,CHIP | 220K | 5% | 1/10W |
| JR20 | 1-216-295-91 | | | R21 | 1-216-089-91 | | 47K | 5% | 1/10W |
| JR21 | 1-216-295-91 | | | R22 | 1-216-073-00 | | | 5% | 1/10W |
| JR22 | 1-216-295-91 | SHUKI U | | R23 R24 | 1-216-198-91 1-216-198-91 | , | 1K 1K | 5% 5% | 1/8W 1/8W |
| | | < COIL > | | R25 | 1-216-206-00 | , | 2.2K | 5% | 1/8W |
| L1 | 1-501-683-11 | ANTENNA, FERRITE-ROD (LW/MW) | | R26 | 1-216-174-00 | RES CHIP | 100 | 5% | 1/8W |
| L2 | | ANTENNA, FERRITE-ROD (LW/MW) | | R27 | 1-216-234-00 | | 33K | 5% | 1/8W |
| L3 | | INDUCTOR 1uH | | R28 | 1-216-174-00 | | 100 | 5% | 1/8W |
| L4 L5 | | COIL, OSC (MW) COIL (LW OSC) | | R29 R32 | 1-216-001-00 1-216-093-91 | | 10 68K | 5% 5% | 1/10W 1/10W |
| | | , | | | | | | | |
| L6 | | COIL, AIR-CORE (US,CND,AEP,IT,E,CH,E | EA) | R33 | 1-216-033-00 1-216-099-00 | | 220 120K | 5% 5% | 1/10W 1/10W |
| L6 L7 | | COIL, AIR-CORE (JE) COIL, FM OSC (US,CND,AEP,IT,E,CH,EA) |) | R34 R35 | 1-216-099-00 | | 120K 1K | 5% 5% | 1/10W 1/10W |
| * L7 | 1-422-202-11 | COIL (AIR-CORE) (JE) | · | R36 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| L8 | 1-408-592-11 | INDUCTOR 1.2uH | | R37 | 1-216-037-00 | METAL CHIP | 330 | 5% | 1/10W |
| L9 | | INDUCTOR 1.8uH | | R39 | 1-216-051-00 | METAL CHIP | 1.2K | 5% | 1/10W |
| L10 L11 | | INDUCTOR 2.7uH | | | | | | | |
| L11 L12 | | INDUCTOR 3.3uH INDUCTOR 4.7uH | | | | | | | |
| L13 | | INDUCTOR 6.8uH | | | | | | | |

ICF-SW11

MAIN

| Ref. No. | Part No. | Description Remarks < VARIABLE RESISTOR > |
|-----------------------|------------------------------|---|
| RV1 RV2 | 1-228-995-00 1-238-555-11 | RES, ADJ, METAL22K RES, VAR, CARBON 50K |
| | | < SWITCH > |
| S1 S2 | 1-692-846-11 1-571-850-81 | - , - , , |
| | | < TRANSFORMER > |
| T1 ****** | 1-416-021-11 | COIL (AM IFT) |
| | | MISCELLANEOUS ************************************ |
| SP901 | | , , , , |
| 4-4-4-4-4-4-4-4-4-4-4 | | |
| | | ACCESSORIES & PACKING MATERIALS ************************************ |
| | 3-867-546-02 | MANUAL, INSTRUCTION (JAPANESE, ENGLISH, KOREAN, CHINESE) (JE, CH) |
| | 3-867-546-12 | MANUAL, INSTRUCTION (ENGLISH,FRENCH,GERMAN,SPANISH,DUTCH, SWEDISH,ITALIAN,PORTUGUESE) |
| | 3-867-546-22 | (US,CND,AEP,IT) MANUAL, INSTRUCTION |
| | 3-867-546-32 | (ENGLISH,FRENCH,GERMAN,SPANISH, |
| | 3-912-863-05 | PORTUGUESE,KOREAN,ARABIC)(E,EA) GUIDE, SHORT WAVE |
| | | |